

Title (en)  
Method of producing a phenolic binder.

Title (de)  
Verfahren zur Herstellung eines Phenolharz-Bindemittels.

Title (fr)  
Procédé de préparation d'un liant phénolique.

Publication  
**EP 0512908 A2 19921111 (FR)**

Application  
**EP 92401248 A 19920430**

Priority  
• US 69776591 A 19910509  
• US 74059991 A 19910805

Abstract (en)  
Phenolic binder for inorganic fibres is prepared by means of an aqueous mixture containing a phenol-formaldehyde resole modified by urea in the presence of aqueous ammonia. The urea and the aqueous ammonia are added after the basic mixture containing the resole has been neutralised. The urea-modified resole exhibits a greater stability than urea-modified resins prepared in the absence of aqueous ammonia.

IPC 1-7  
**C03C 25/02**; **C08G 14/08**

IPC 8 full level  
**D06M 15/41** (2006.01); **C03C 25/10** (2006.01); **C03C 25/34** (2006.01); **C08G 8/00** (2006.01); **C08G 8/28** (2006.01); **C08G 14/06** (2006.01); **C08G 14/08** (2006.01); **C08J 5/08** (2006.01); **C08L 61/10** (2006.01); **C08L 61/34** (2006.01); **D06M 13/02** (2006.01); **D06M 13/322** (2006.01); **D06M 13/402** (2006.01); **D06M 13/432** (2006.01); **D06M 13/51** (2006.01); **D06M 13/513** (2006.01); **D06M 101/00** (2006.01)

IPC 8 main group level  
**C07C 37/00** (2006.01); **C07C 39/00** (2006.01); **C07C 47/00** (2006.01); **E04C 2/00** (2006.01); **E04F 13/00** (2006.01)

CPC (source: EP KR US)  
**C03C 25/34** (2013.01 - EP US); **C08G 14/08** (2013.01 - EP KR US)

Cited by  
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AT BE CH DE DK ES FR GB IT LI NL SE

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**EP 0512908 A2 19921111**; **EP 0512908 A3 19930120**; **EP 0512908 B1 19990707**; **EP 0512908 B2 20030205**; AT E181904 T1 19990715; AU 1605192 A 19921112; AU 655257 B2 19941208; CA 2068242 A1 19921110; CA 2068242 C 20040224; CN 1054619 C 20000719; CN 1068585 A 19930203; CS 132692 A3 19921118; CZ 285982 B6 19991215; DE 69229523 D1 19990812; DE 69229523 T2 20031002; DE 69229523 T3 20040219; DK 0512908 T3 20000131; ES 2136075 T3 19991116; ES 2136075 T5 20030916; FI 101713 B1 19980814; FI 101713 B 19980814; FI 922104 A0 19920508; FI 922104 A 19921110; HU 212239 B 19960429; HU 9201545 D0 19920828; HU T65113 A 19940428; IE 921868 A1 19921118; JP 3581716 B2 20041027; JP H05178952 A 19930720; KR 100248691 B1 20000401; KR 920021613 A 19921218; NO 307472 B1 20000410; NO 921753 D0 19920504; NO 921753 L 19921110; NZ 242678 A 19950427; PL 171328 B1 19970430; PL 294477 A1 19930125; SI 9200074 A 19921127; TR 27281 A 19941226; TW 211021 B 19930811; US 5300562 A 19940405

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**EP 92401248 A 19920430**; AT 92401248 T 19920430; AU 1605192 A 19920506; CA 2068242 A 19920508; CN 92104220 A 19920508; CS 132692 A 19920430; DE 69229523 T 19920430; DK 92401248 T 19920430; ES 92401248 T 19920430; FI 922104 A 19920508; HU 9201545 A 19920508; IE 921868 A 19920701; JP 11486792 A 19920507; KR 920007767 A 19920508; NO 921753 A 19920504; NZ 24267892 A 19920511; PL 29447792 A 19920508; SI 9200074 A 19920507; TR 46492 A 19920508; TW 81104707 A 19920616; US 7403793 A 19930608